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# NOTICE OF ALLOWANCE AND FEE(S) DUE

33721 7590 07/10/2009 TORYS LLP 79 WELLINGTON STREET WEST, SUITE 3000 BOX 270, TD CENTRE TORONTO, ON MSK 1N2 CANADA EXAMINER

MUI, CHRISTINE T

ART UNIT PAPER NUMBER

DATE MAILED: 07/10/2009

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	10/13/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THE APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above

B. If the status above is to be removed, check box 5b on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and I/2 the ISSUE FIEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

### PART B - FEE(S) TRANSMITTAL

# Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This appropriate. All further indicated unless correcte maintenance fee notificat	form should be used to correspondence including ad below or directed off	or transmitting ig the Patent, a nerwise in Block	the ISSI dvance o k 1, by (	UE FEE and PUBLICAT rders and notification of a) specifying a new corre	TON FEE (if requi maintenance fees w spondence address;	ired). I vill be and/or	Blocks 1 through 5 s mailed to the current r (b) indicating a sepa	hould be correspon trate "FEE	completed where dence address as ADDRESS" for
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0.4.4.4.4									(Signature)
									(Date)
APPLICATION NO.	FILING DATE			FIRST NAMED INVENTOR	t	ATTO	RNEY DOCKET NO.	CONFIR	RMATION NO.
10/823,690	04/14/2004			Steven J. Soldin			31603-2055		5374
TITLE OF INVENTION									
APPLN. TYPE	SMALL ENTITY	ISSUE FEE	DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE		TOTAL FEE(S) DUE	I	DATE DUE
nonprovisional	NO	\$1510	)	\$300	\$0		\$1810	1	10/13/2009
EXAMINER		ART UN	ART UNIT CLASS-SUBCLAS		]				
MUI, CHRISTINE T		1797		436-173000	)				
I. Change of correspondence address or indication of "Fee Address" (37 CFR 1.863).  Change of correspondence address (or Change of Correspondence Address from PTO/SBI/22) and ached.  The Address Findication for "Fee Address" indication form PTO/SBI/27 is two 3-02 or more creatal state-hed. Use of a Customer Number is required.  ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON			ondence n istomer	or agents OR, alternati (2) the name of a sing registered attorney or 2 registered patent attor listed, no name will be	me of a single firm (having as a member a attorney or agent) and the names of up to d patent attorneys or agents. If no name is a mane will be printed.				
	ess an assignee is ident h in 37 CFR 3.11. Comp GNEE	ified below, no oletion of this fo	assignee rm is NO	data will appear on the p IT a substitute for filing an (B) RESIDENCE: (CIT)	assignment.  If an assign assignment.  If and STATE OR C	OUNT			
4a. The following fee(s) a	are submitted:			b. Payment of Fee(s): (Ple  A check is enclosed.  Payment by credit ca  The Director is hereb overpayment, to Depo	rd. Form PTO-2038 v authorized to char	is atta	sched. required fee(s), any de	ficiency, o	
	s SMALL ENTITY state	s. See 37 CFR		☐ b. Applicant is no lor	nger claiming SMAI	LLEN	ΓΙΤΥ status. Sec 37 Cl	FR 1.27(g)	)(2).
NOTE: The Issue Fee and interest as shown by the r	d Publication Fee (if req records of the United Sta	ured) will not b tes Patent and T	e accepte rademark	ed from anyone other than k Office.	the applicant; a regi	stered	attorney or agent; or th	ne assigned	or other party in
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CANADA

# UNITED STATES PATENT AND TRADEMARK OFFICE

#### UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/823,690	04/14/2004	Steven J. Soldin	31603-2055	5374	
33721	7590 07/10/2009		EXAM	UNER	
TORYS LLP		MUI, CHRISTINE T			
	N STREET WEST, SU	ART UNIT	PAPER NUMBER		
BOX 270, TD CI TORONTO, ON		1797 DATE MAII ED: 07/10/200	9		

# Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 827 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 827 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

# Notice of Allowability

Application No.	Applicant(s)	
10/823,690	SOLDIN, STEVEN	J.
Examiner	Art Unit	
CUDISTINE T MIII	1707	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative

- of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.
- This communication is responsive to remarks filed on 15 December 2008.
- The allowed claim(s) is/are 1-8,10-27 and 58-65.
- 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a)  $\square$  All b) ☐ Some\* c) ☐ None of the:
    - 1. T Certified copies of the priority documents have been received.
    - 2. Certified copies of the priority documents have been received in Application No.
      - 3. 
        ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
  - \* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

- A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
- CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
  - (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
    - 1) hereto or 2) to Paper No./Mail Date
  - (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. 

DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

### Attachment(s)

- 1. | Notice of References Cited (PTO-892)
- 2. Notice of Draftperson's Patent Drawing Review (PTO-948)
- Information Disclosure Statements (PTO/SB/08). Paper No./Mail Date See Continuation Sheet
- 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material
- 5. Notice of Informal Patent Application
- Interview Summary (PTO-413), Paper No./Mail Date
- 7. X Examiner's Amendment/Comment
- 8. X Examiner's Statement of Reasons for Allowance
- Other .

Continuation of Attachment(s) 3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date: 15 December 2008; 24 June 2009.

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### EXAMINER'S AMENDMENT

 An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with MARYANNE ARNOLDO on 24 June 2009 and 26 June 2009.

The application has been amended as follows:

Claims 28-57 have been cancelled

In claim 1, line 2, the instance where it reads 'or suspected of comprising' has been deleted.

In claim 1, line 4, the instance where it reads 'or suspected of comprising' has been deleted.

In claim 1, the phrase 'wherein the analysis does not involve an extraction step comprising evaporation and redissolving the extracted thyroid hormone, and the analysis is done in less than an hour' has been deleted.

In claim 3, line 2, the instance where it reads 'or suspected of comprising' has been deleted.

In claim 27, line 2, the instance where it reads 'or suspected of comprising' has been deleted.

In claim 58, line 2, the instance where it reads 'or suspected of comprising' has been deleted In claim 58, line 5, the instance where it reads 'or suspected of comprising' has been deleted.

In claim 60, line 2, the instance where it reads 'or suspected of comprising' has been deleted.

In claim 60, lines 4-5, the instance where it reads 'or suspected of comprising' has been deleted.

In claim 60, line 7, the instance where it reads 'or suspected of comprising' has been deleted.

In claim 60, the phrase 'wherein the analysis does not involve an extraction step comprising evaporation and redissolving the extracted thyroid hormone, and the analysis is done in less than an hour' has been deleted.

In claim 62, line 2, the instance where it reads 'or suspected of comprising' has been deleted.

In claim 62, the phrase 'wherein the analysis does not involve an extraction step comprising evaporation and redissolving the extracted thyroid hormone, and the analysis is done in less than an hour' has been deleted.

In claim 64, line 1, the instance where it reads 'or 28' has been deleted. In claim 65, line 1, the instance where it reads 'or 28' has been deleted.

The following is an examiner's statement of reasons for allowance: None of the cited prior art of record teaches a method, a system, or a kit of a sample containing one Art Unit: 1797

or more thyroid hormones, where the sample is deproteinated, separated and analyzed in a mass spectrometer.

3. The closest prior art as cited in the prior office action to DeBrabandere discloses a method of determination of thyroxine in serum. While this method discloses determining thyroxine in a sample, the reference does not fairly teach or suggest a method of extraction outside of the online liquid extraction of the sample. Furthermore, DeBrabandere neither teaches nor suggests a system nor a kit that is disclosed as being used for deproteinating, separating and analyzing a sample in a mass spectrometer. The system that is claimed in the instant application for deproteinating samples and internal standards, and analyzing the hormones is not found in the prior art.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to CHRISTINE T. MUI whose telephone number is (571)270-3243. The examiner can normally be reached on Monday-Thursday 7-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Walter Griffin can be reached on (571) 272-1447. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

CTM

/Walter D. Griffin/ Supervisory Patent Examiner, Art Unit 1797